

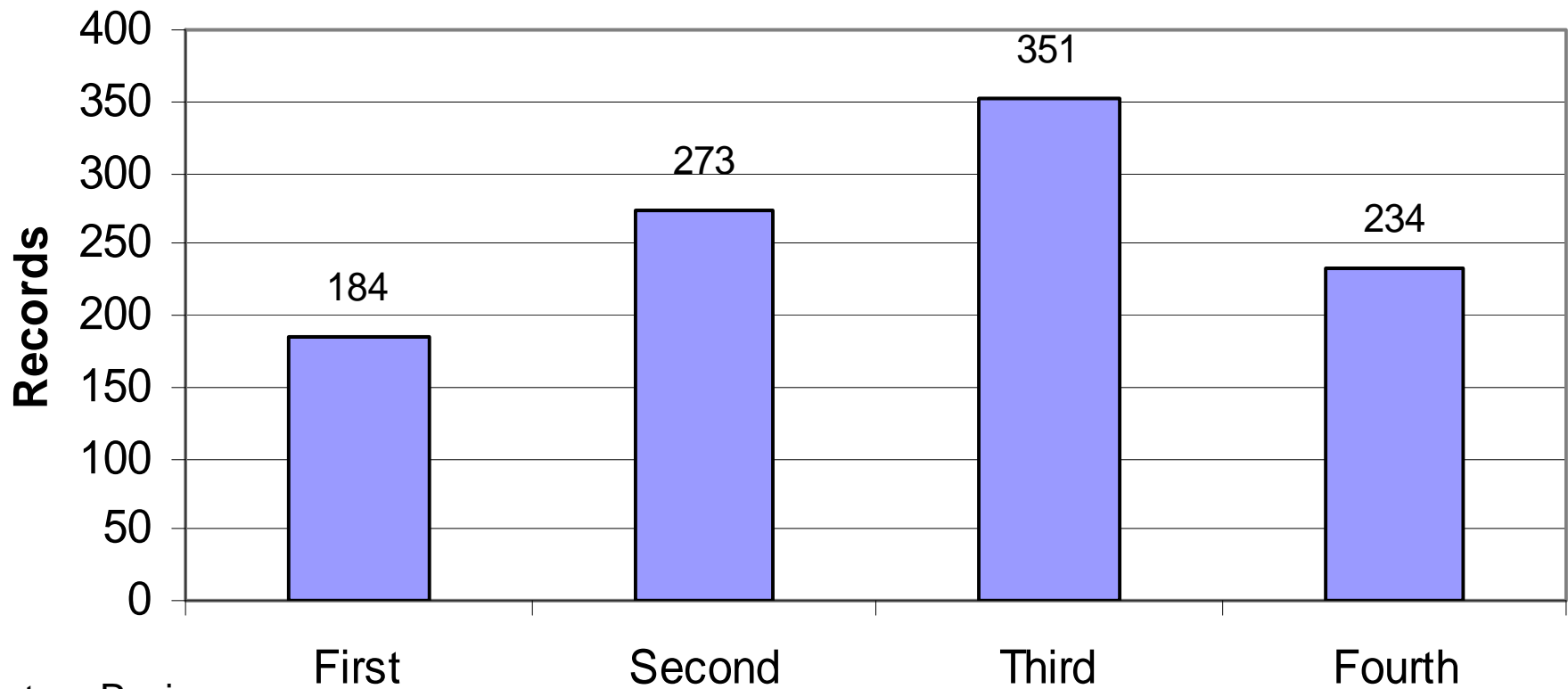
Eastern RTAC Trauma Registry Report

All Quarters, YTD 2006
January 1 – December 31

2006 YTD Facility Records: 1042

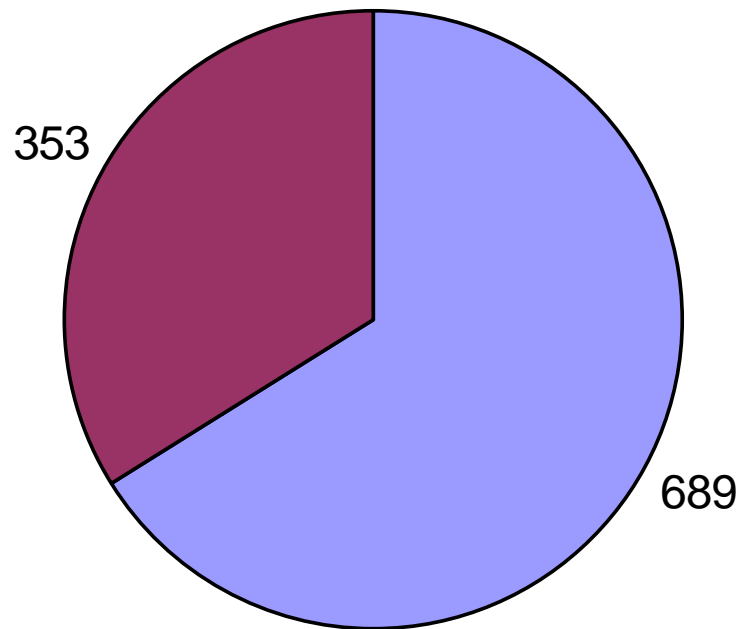
Livingston Memorial Hospital	34
Harlowton - Wheatland Memorial Hospital	10
Plentywood - Sheridan Memorial Hospital	6
Sidney Health Center	1
Miles City - Holy Rosary Health Center	1
Glasgow - Frances Mahon Deaconess Hospital	6
Big Timber - Sweet Grass Community Hospital	13
Bozeman Deaconess Hospital	111
Billings - Deaconess - Billings Clinic	413
Billings - Saint Vincent Hospital & Health Center	442
Lame Deer Clinic	1
Colstrip Medical Clinic	4

Records by Quarter



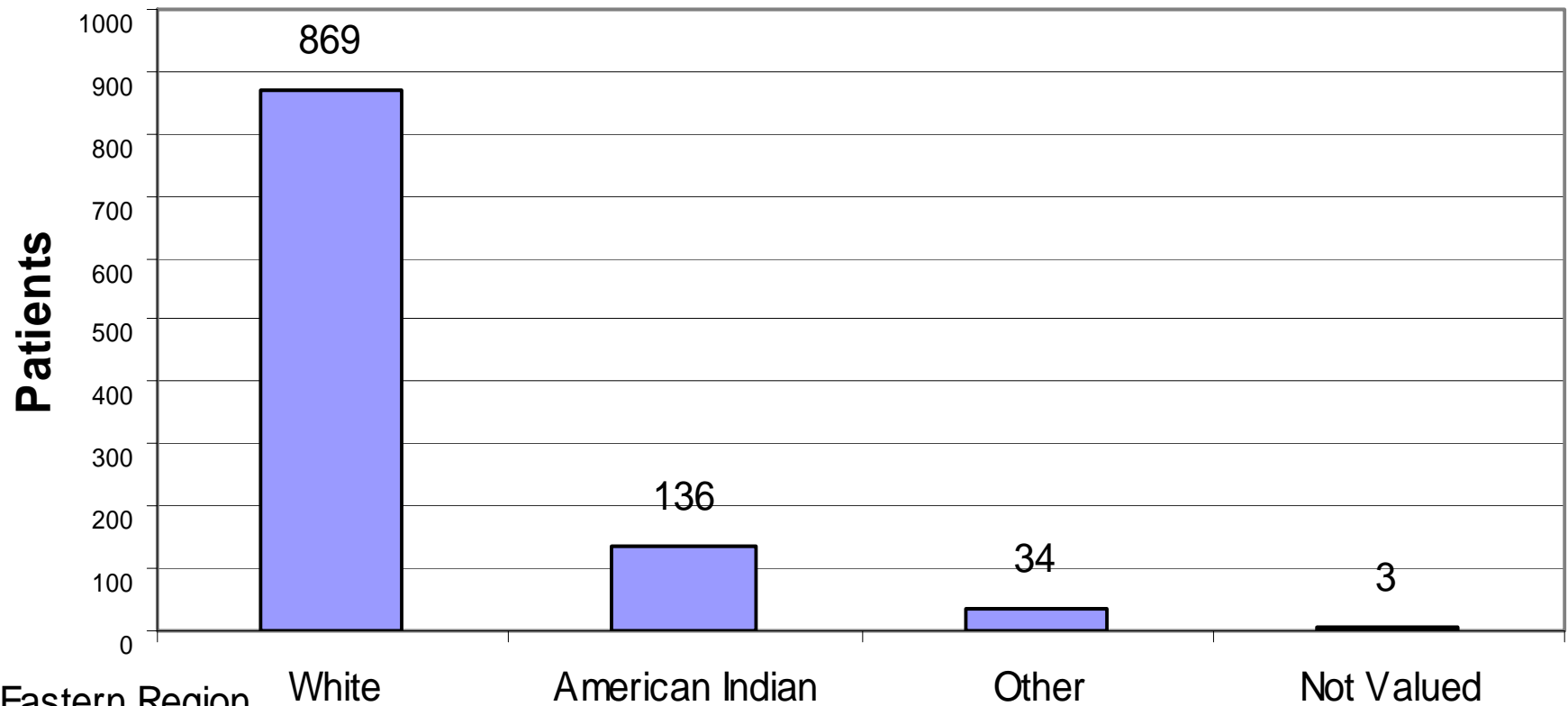
Eastern Region
All Quarters 2006
N = 1042

Gender



Eastern Region
All Quarters 2006
N = 1042
Not
Documented=7

Race



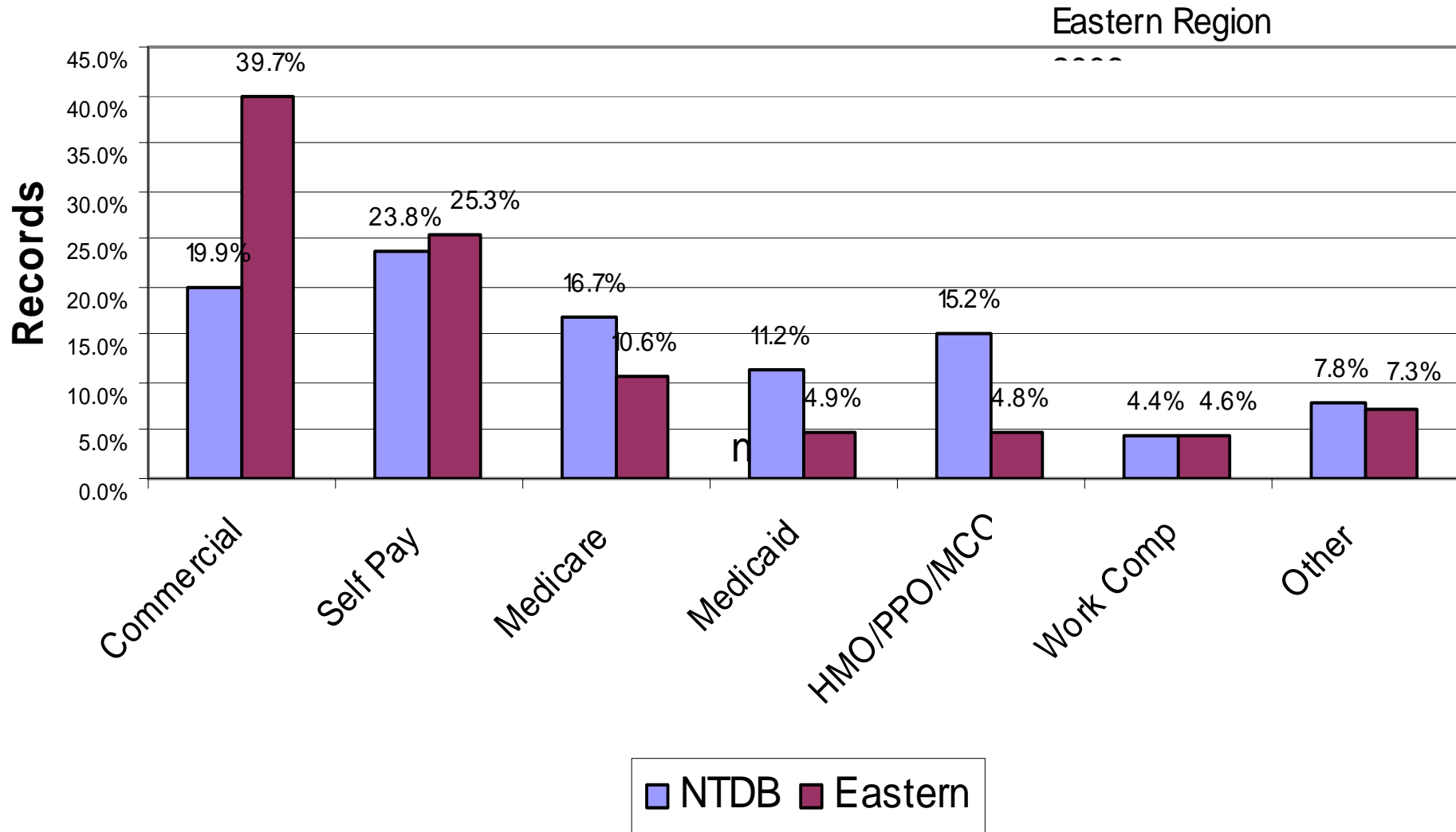
Eastern Region

All Quarters 2006

N=1042

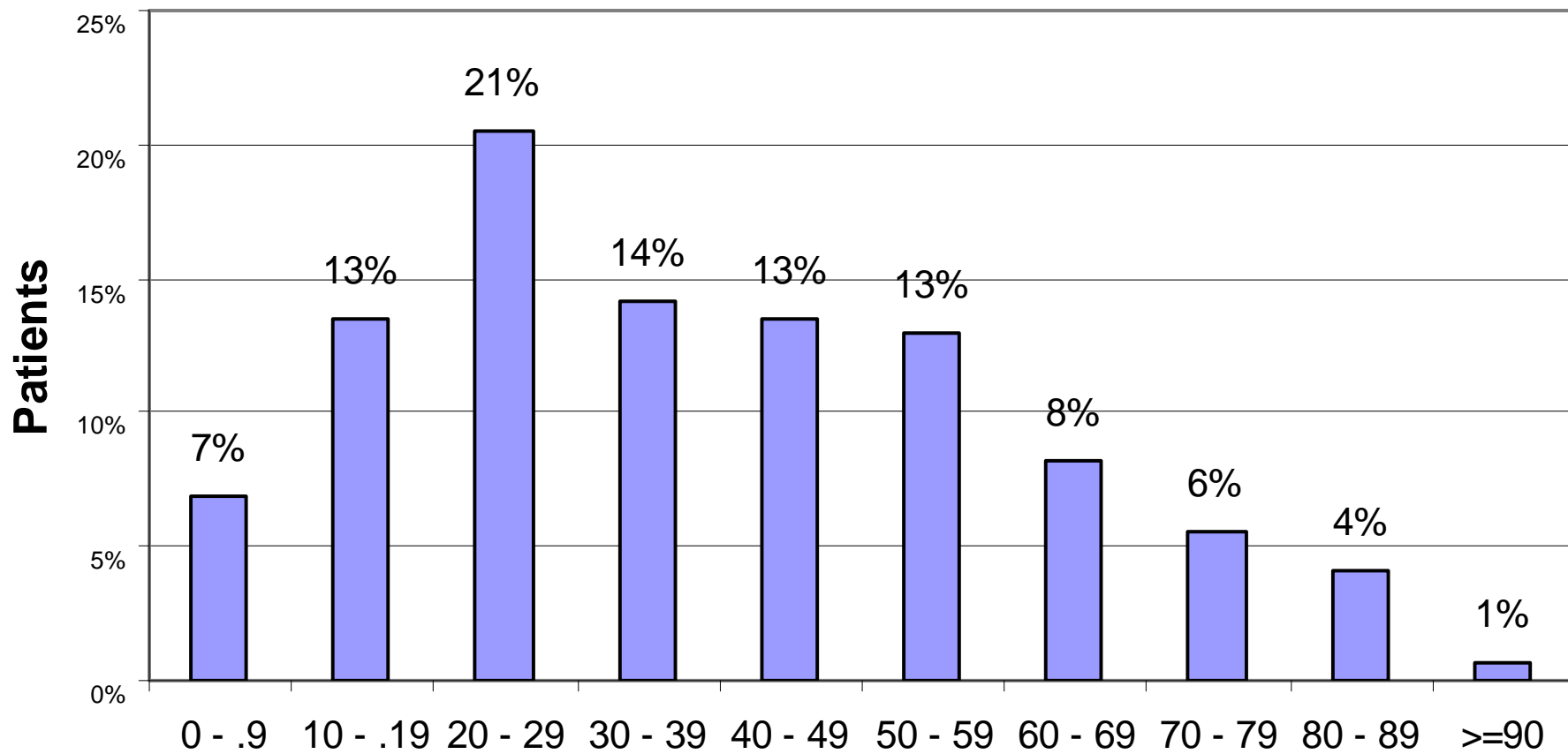
Primary Payor Sources

Not valued = 2.8%



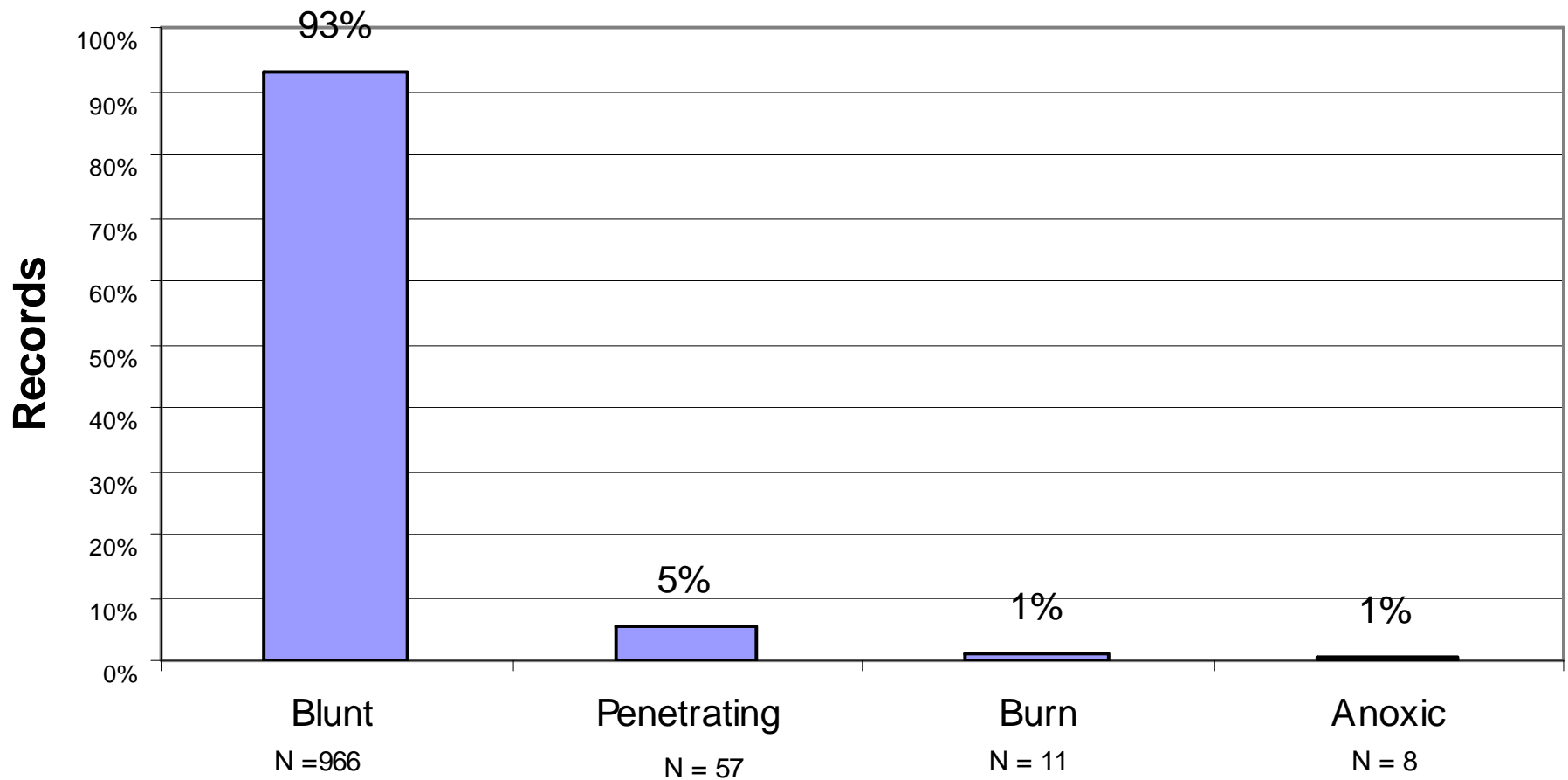
Age

Eastern Region
All Quarters 2006
N = 1042



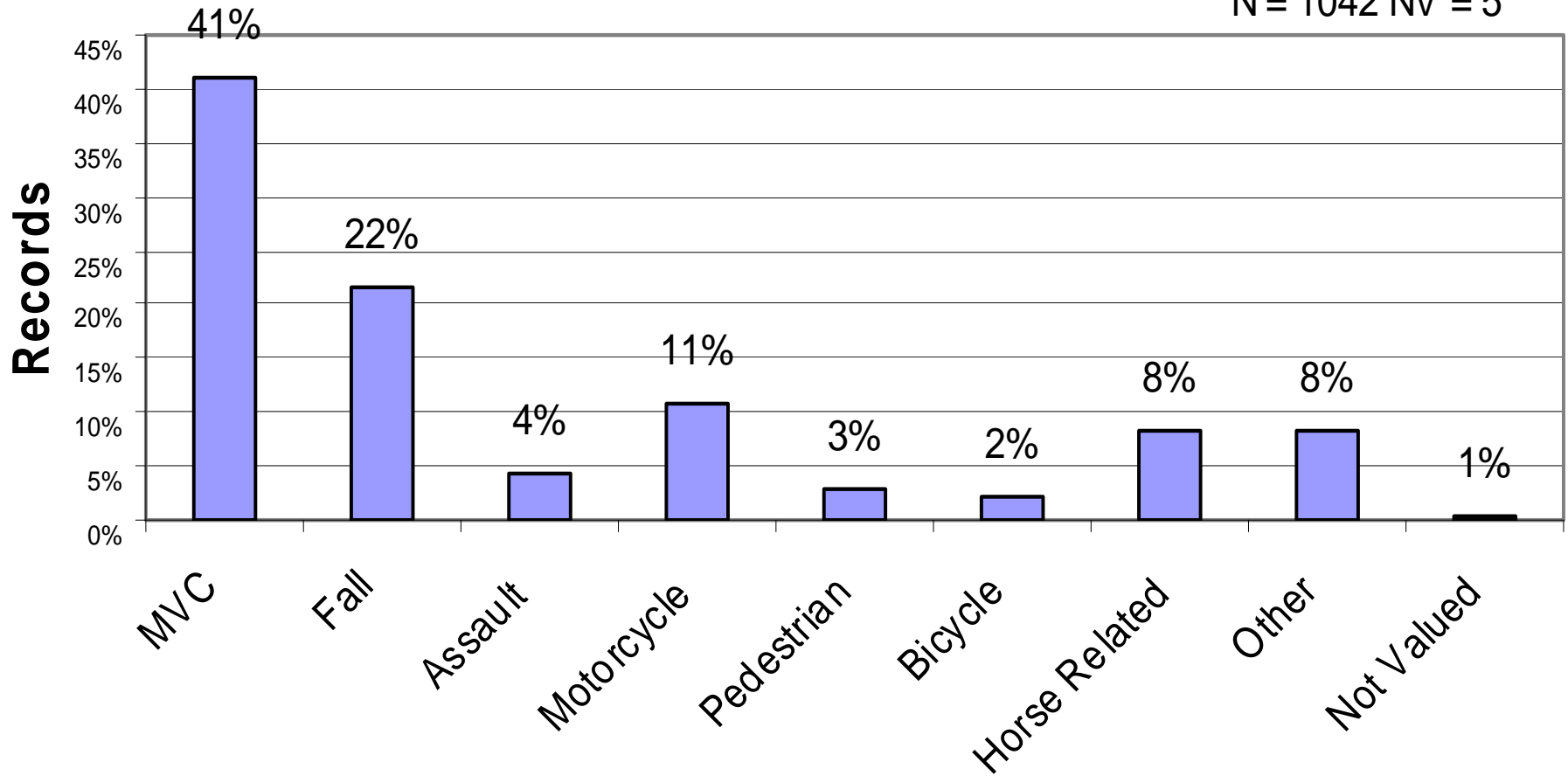
Injury Type

Eastern Region
All Quarters 2006
N = 1042



Blunt Injury Cause

Eastern Region
All Quarters
N = 1042 NV = 5



Penetrating Injury Cause

Total 48

Knife (25)

8 – self inflicted

17 – assault

Handgun (19)

9 – self inflicted

4 – assault

6 – accidental

Other (11)

2 – self inflicted

9 – accidental

Not Valued (986)

9 – self inflicted

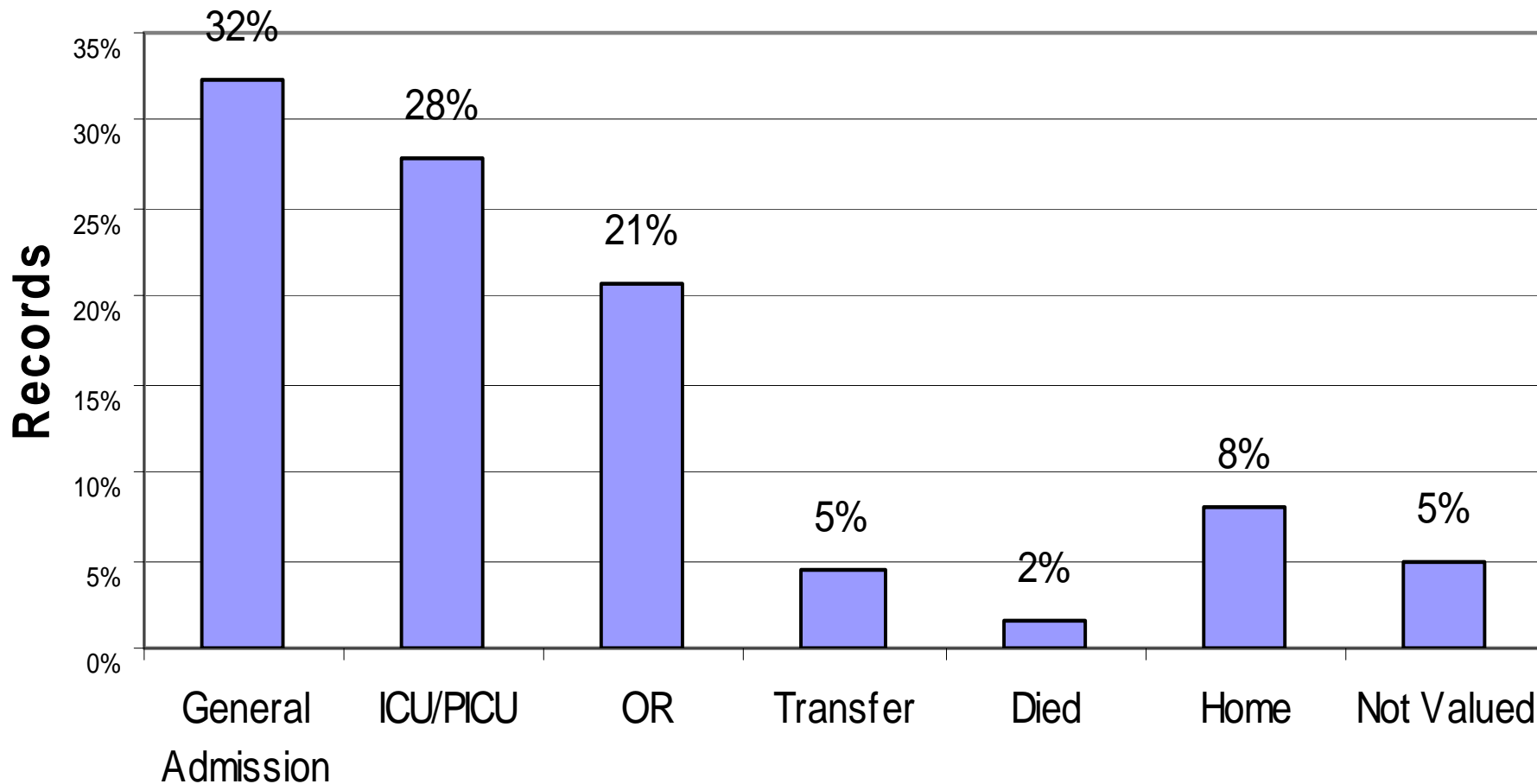
44 – assault

929 – accidental

4 – not valued

ED Disposition

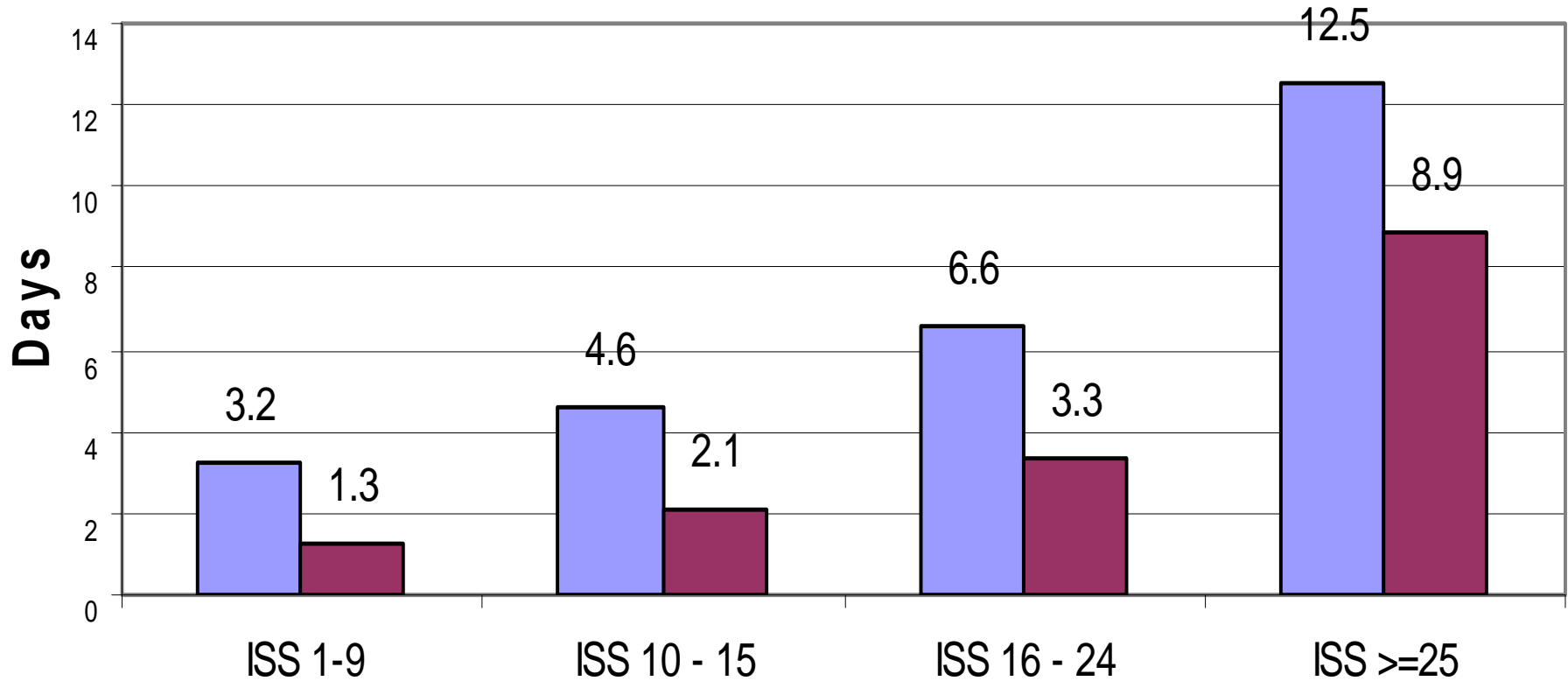
Eastern Region
All Quarters 2006
N = 1042



Location of Injury

Location	# Records	Percentage
Home	202	19.4%
Farm	50	4.8%
Industry	36	3.5%
Recreation	93	8.9%
Street	524	50.3%
Public Building	27	2.6%
Residential Institution	3	0.3%
Other	35	3.4%
Unspecified	72	6.9%
Total	1042	100%

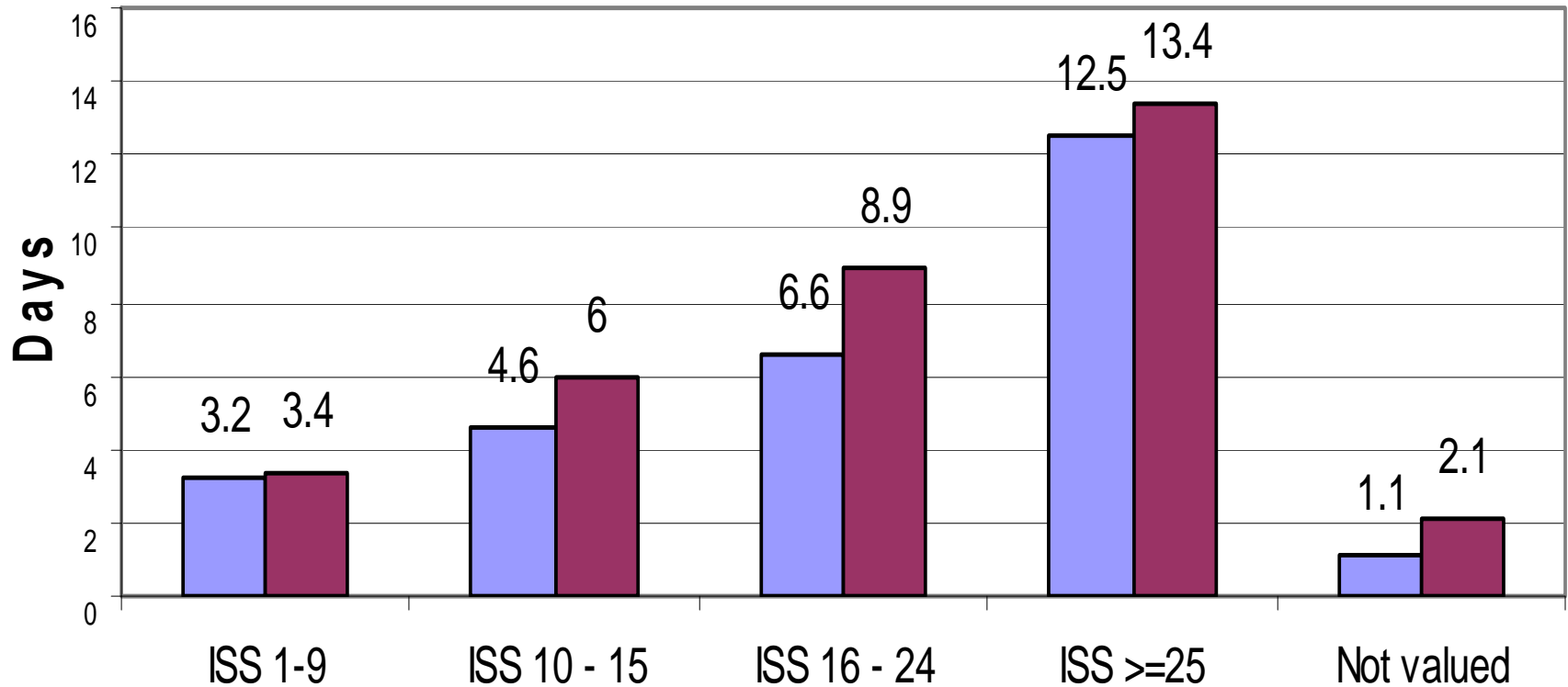
AVG LOS by ISS



Eastern Region
All Quarters 2006

■ Hospital ■ ICU

AVG Hospital LOS

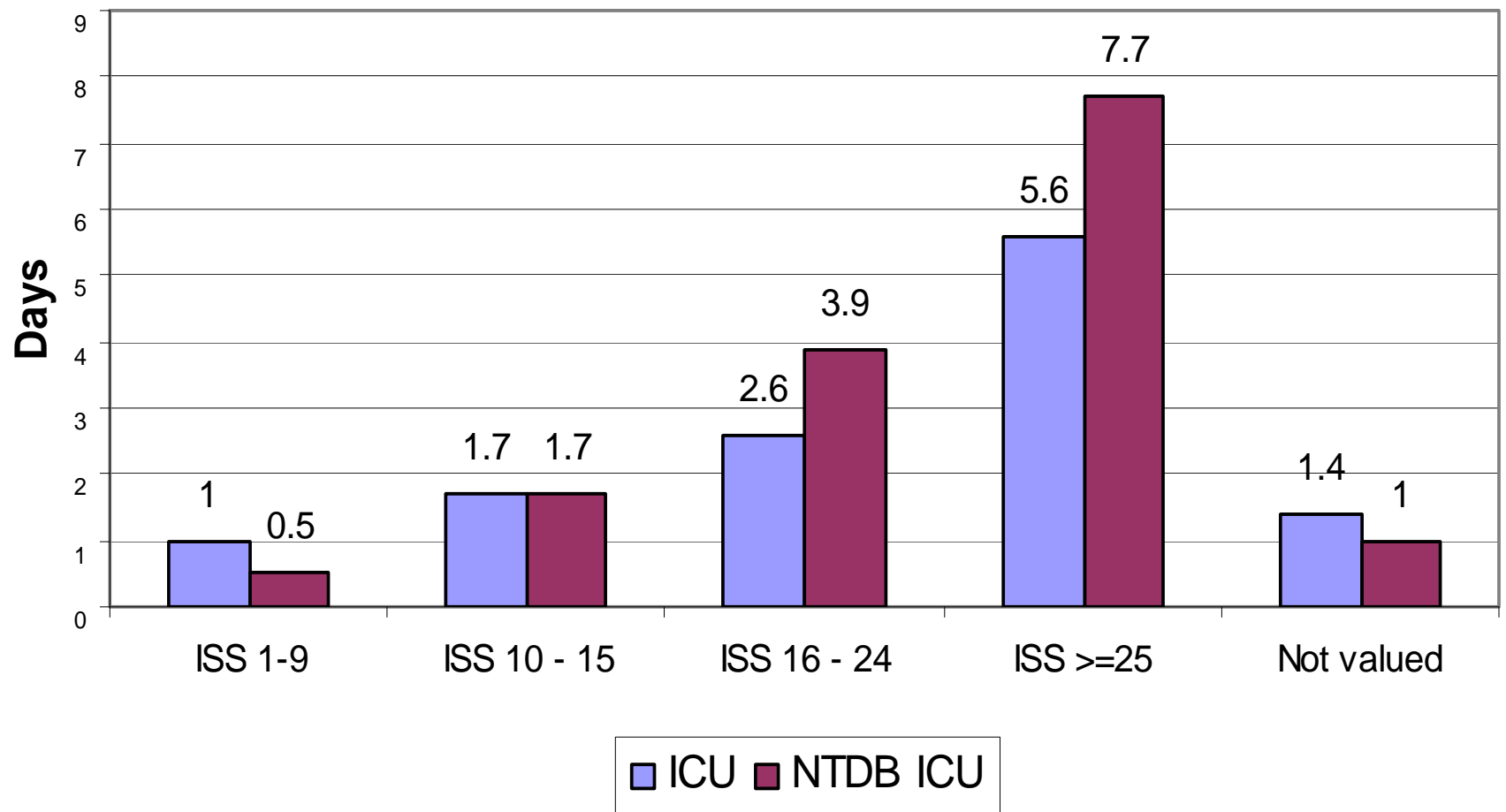


Eastern Region
All Quarters 2006

■ Hospital ■ NTDB Hospital

Western Region
1,2,3 Qtr 06

Avg ICU LOS



ISS ≥ 25 & Hosp LOS ≥ 15 days

Total = 39 pts

Those that had a Hospital LOS ≥ 15 days

23 – Billings Clinic, (avg. ISS 32)

total hosp days = 656 (avg. 17days/pt.)

16 – St.Vincent, (avg. ISS 31)

total hosp days = 487 (avg. 30days/pt.)

Patients Discharged Out of State

N = 41

- Brain/other = 13
- Spine/other = 10
- Brain/Spine = 6
- Chest/other = 4
- Pelvis/other = 3
- Ortho = 3
- Burn = 1
- Other/Misc = 1

Of the 41,

12 went directly to Acute Care
from ED

6 were admitted first before
transfer

To Rehab: 15

To NH: 7

* 11 of the 49 went to a
Pediatric Facility

* 15 of the 49 went to a facility
in their home state

Patients Transferred into Eastern Region

N = 87

85 from 11 Wyoming locations

2 from Williston, ND

Injuries:

Brain: 21

Spine: 17

Abd/Pelvis: 13

Brain/other: 10

Spine/other: 10

Chest/other: 8

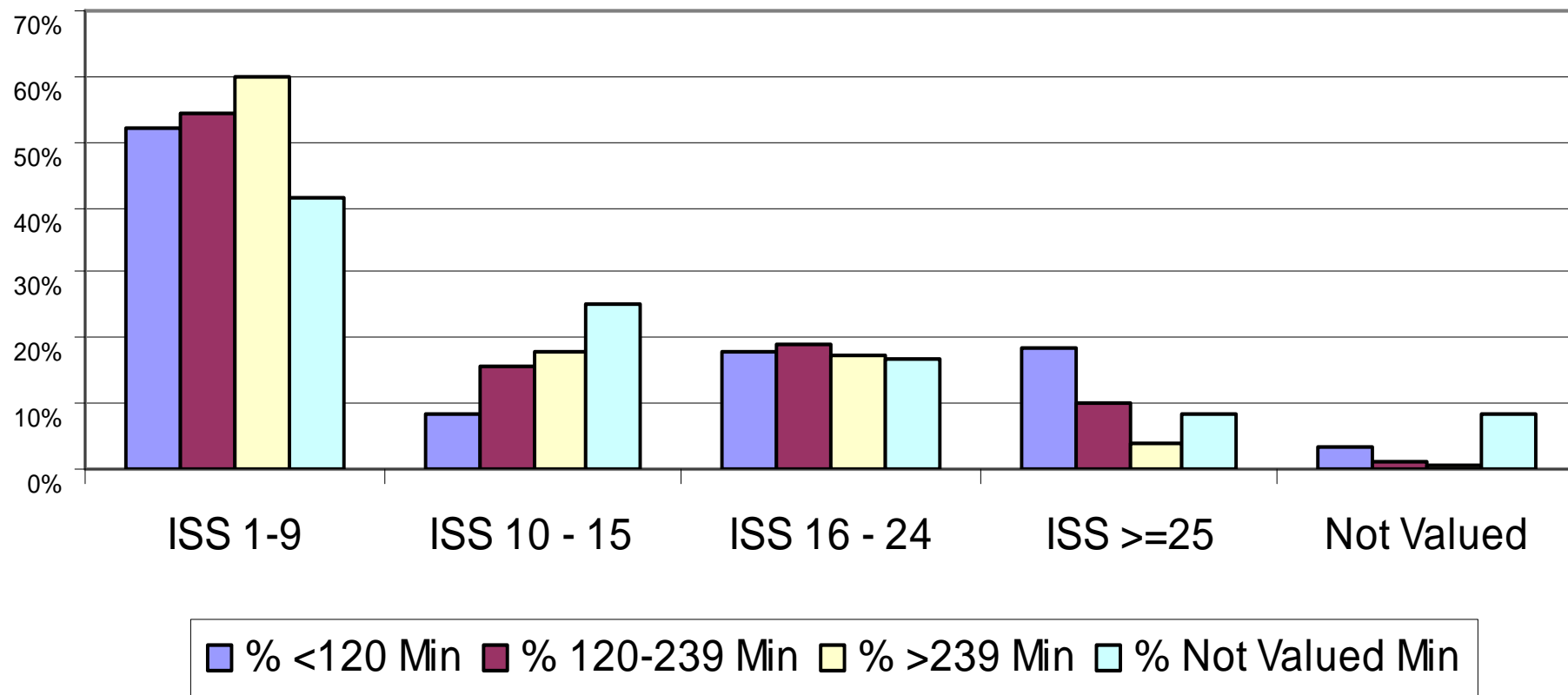
Orthopedic: 2

Facial: 2

ED Home by ISS

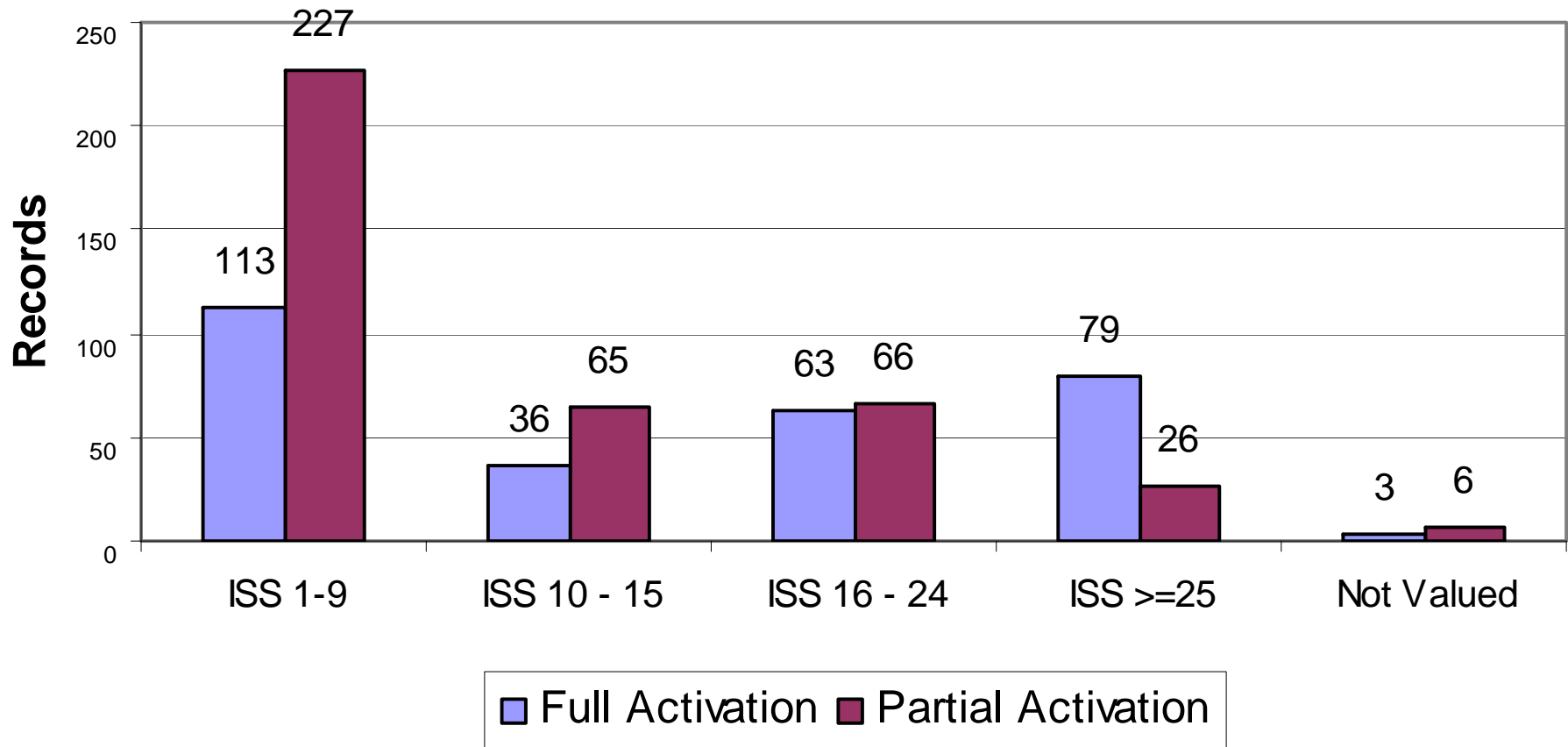
	# Records
1 - 9	76
10 - 15	3
16 - 24	0
<u>≥</u> 25	0
Not Valued	4
Total	83

ED LOS by ISS



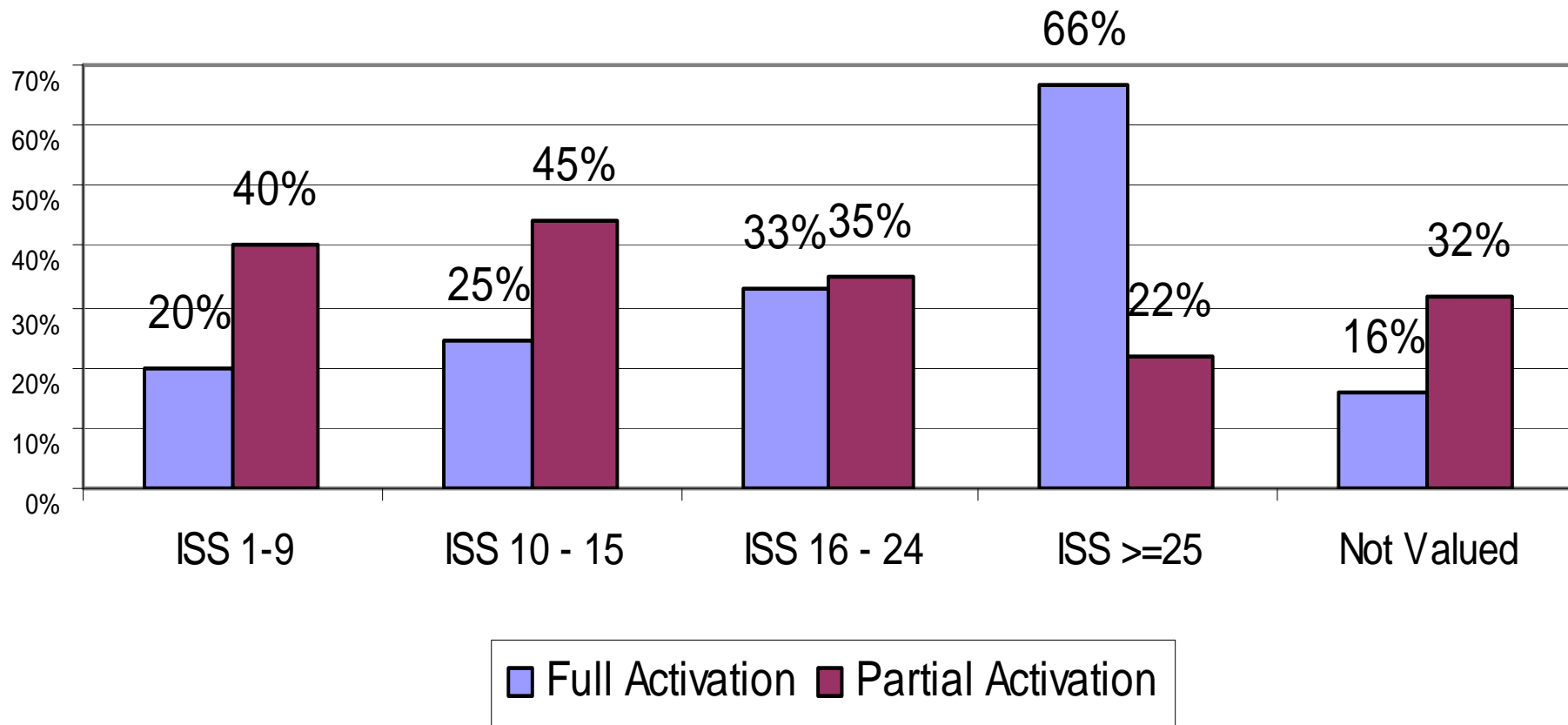
Activations

Eastern
Region
All Qtrs, 2006
N=1042



Activations (%)

Eastern Region
All Quarters 2006
N=1042



Patients w/ISS ≤ 15 & No Trauma Team Activation N= 48

■ Arrival to ED

■ PV = 23 (48%)

■ EMS = 17 (35%)

■ Transfers In = 4

■ UNK = 3

■ Oth = 1 (fell in ED)

Falls: 27 (56%)

Horse/falls: 7 (15%)

Primarily CHI: 38 (79%)

GCS 15 = 42%

GCS 12-15 = 19%

GCS ≤ 11 = 4%

GCS UNK = 29%

Patients - Expired

N = 54

Causes:

MVC = 21 (39%)

Falls = 10 (19%)

self-inflicted = 8 (15%)

MC = 4

GSW (unclear intent) = 3

Pedestrian = 3

Other = 5

Horse = 2, Stab = 2, Struck by train = 1

Patients - Expired

Injury Cause	Injuries Sustained	Protective Device
MVC = 21	Brain/Spinal = 6 Brain/Other = 3 Spinal/Other = 1 Chest/Abd = 1	Seatbelt = 6 Seatbelt & Airbag = 1 None = 11 Unk = 3
Falls = 10	Brain = 8 Spine = 1 Chest = 1	na
Suicide/Self-Inflicted Injuries = 8	Brain = 4 Anoxia = 4	na

ISS \geq 25 = 29 patients (54%)

Average ISS = 22 (51 patients with known ISS)

Patients Who Died w/ISS ≤ 9

N = 10

7/10 Died in ED

2 Anoxic/hanging (4, 4)

2 GSW (9, 1) & 1 Stab (9) w/”open wound” codes

1 fall (9) w/chest injuries closed/NOS

1 MVC (5) w/Rib Fx & contusions

3/10 Died in ICU

1 MVC (9) Brain w/prolonged coma NOS (5days)

1 MVC (9) pelvis, age 91yr, +COPD, + Diab (1day)

1 Fall (4), Skull Fx, concussion, +DD, uneventful recovery until c/o back pain: non-traumatic T-spine lesion: family refused OR: Brady episode: ICU: family withdrew support & refused autopsy (15 days, 2ICU/vent)